

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO038419	ACI001-VC	2	1	Net 30	M304R1.000	304 Round Bar 1.00 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft				48	11/24/2017	48		S018003	Stock	12/6/2017	\$ 6.57 / ft	0		\$315.21	Acier Ouellette Inc.
		3			M304S24GA	304/316 .025 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf				64		64		S018004	Stock	12/6/2017	\$ 2.90 / sf	0		\$185.44	Acier Ouellette Inc.
		4			MT-1144-R1.750	1144 Steel Proof Round Bar 1.750"				12		11		S018005	Stock	12/6/2017	\$ 15.21 / ft	0		\$164.28	Acier Ouellette Inc.
		6			M6061T6S.032	6061-T6 Sheet 0.032" : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf				144		144		S018006	Stock	12/6/2017	\$ 2.24 / sf	0		\$322.80	Acier Ouellette Inc.
		7			M6061T6S.063	6061-T6 .063 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf						144		S018007	Stock	12/6/2017	\$ 2.76 / sf	0		\$396.95	Acier Ouellette Inc.
		8			M6061T6S.040	6061-T6 .040 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf						144		S018008	Stock	12/6/2017	\$ 2.79 / sf	0		\$402.08	Acier Ouellette Inc.
		9			M6061T6S.125	6061-T6 .125 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf						144		S018009	Stock	12/6/2017	\$ 6.28 / sf	0		\$904.17	Acier Ouellette Inc.
		10			M303R2.000	303 Round Bar 2" : MATERIAL: AISI 303 SS ROUND BAR				48		48		S018010	Stock	12/6/2017	\$ 32.59 / ft	0		\$1,564.11	Acier Ouellette Inc.

12/12/2017

Print



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO038419	ACI001-VC	12	1	Net 30	M304S24GA	304/316 .025 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf				✓ 32	12/12/2017	32		✓ S020564	Stock	12/12/2017	\$ 2.90 / sf	0		\$92.72	Acier Ouellette Inc.
Total:										32		32								\$72.27	

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PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
		11			M1018R0.500	AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft 1018-1025 round bar .500 : MATERIAL: AISI 1018- 1025 ROUND BAR AS PER MIL-S-7097 OR ASTM A108 Material, AISI 1020- 1025 ROUND TUBING PER MIL-T-5066 OR ASTM A513-00 MT1020 OR AMS 5075 OR AMS 5077 COLD DRAWN				12		87/19		S018011	Stock	12/6/2017	\$ 0.87 / ft	0		\$16.41	Acier Ouellette Inc.
Total:										760		766								\$3,372.75	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038419

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO038419
PO Date: 11/20/17
Due Date: 11/24/17
**Purchase Order
Revision:**
Revision Date:
Ship-To Contact: Lavoie, Chantal
Phone: clavoie@dartaero.com

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pynt Terms: Net 30
Freight Terms:
Special Comments: quotation no sou0071752 and sou0071752

Items

Line Item	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M303B1.000X1.000	M303B1.000 X 1.000 : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft	Received	11/24/17	24 ft	24 ft	0 ft	\$22.41666/ft	\$0.00
2	M304R1.000	304 Round Bar 1.00 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Received	11/24/17	48 ft	48 ft	0 ft	\$6.566875/ft	\$0.00
3	M304S24GA	304/316 .025 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf	Received	11/24/17	64 sf	64 sf	0 sf	\$2.8975/sf	\$0.00
4	MT-1144-R1.750	1144 Steel Proof Round Bar 1.750"	Received	11/24/17	12 ft	10.8 ft	1.2 ft	\$15.210833/ft	\$18.25
5	M17-4-S11GA	17-4 SS Sheet 0.125 (AMS 5604 or ASTM 693) : MATERIAL: 17-4PH STAINLESS STEEL SHEET AS PER AMS 5604 MINIMUM YIELD TENSILE STRENGTH = 105 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 135 KSI receive ft	Received	11/24/17	32 ft	30 ft	2 ft	\$55.3125/ft	\$110.63
6	M6061T6S.032	6061-T6 Sheet 0.032" : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Received	11/24/17	144 sf	144 sf	0 sf	\$2.2416666/sf	\$0.00

Items									
Line Item	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
7	M6061T6S.063	6061-T6 .063 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Received	11/24/17	144 sf	144 sf	0 sf	\$2.7565625/sf	\$0.00
8	M6061T6S.040	6061-T6 .040 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Received	11/24/17	144 sf	144 sf	0 sf	\$2.792222/sf	\$0.00
9	M6061T6S.125	6061-T6 .125 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Received	11/24/17	144 sf	144 sf	0 sf	\$6.2789583/sf	\$0.00
10	M303R2.000	303 Round Bar 2" : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft	Received	11/24/17	48 ft	48 ft	0 ft	\$32.585583/ft	\$0.00
11	M1018R0.500	1018-1025 round bar .500 : MATERIAL: AISI 1018-1025 ROUND BAR AS PER MIL-S- 7097 OR ASTM A108 Material, AISI 1020-1025 ROUND TUBING PER MIL-T-5066 OR ASTM A513-00 MT1020 OR AMS 5075 OR AMS 5077 COLD DRAWN	Received	11/24/17	12 ft	18.9 ft	-6.9 ft	\$0.86833/ft	\$-5.99
12	M304S24GA	304/316 .025 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf	Firmed	12/12/17	32 sf	0 sf	32 sf	\$2.8975/sf	\$92.72
Grand Total:									\$215.61

Order Notes

Procurement Quality Clauses

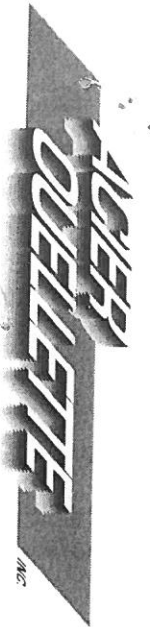
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 12/12/17 11:24 AM dart.lavoie.chantal



ACIER OUELLETTE INC.

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

DELIVERY - CLIENT

CO00063121

Customer N°

CLI0001056

Date

2017/11/21

Delivery date

2017/12/05

Your order N°

38419

Processed by

Josianne Bourdon

Salesman

Carrier

OUELLETTE VALLEYFIELD

Credit Terme

Net 30 Days

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.

HAWKESBURY, Ontario, K6A 1K7

, Ontario,

Instruction F-M

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Page

1

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
1 ALU SHEET .040 (18G) 6061-T6 (4 X 12) FEAL-0404126061 3121 3 X 4' X 12' HEAT: 63212/01 MATERIEL DOIT ETRE STAMPER AC11539-SA-04/12	81.07	144.00	P12_\$CLB		3x						
					4'x12'						
812-12-10											

Total Weight (lbs) : 81.07

NIR : R-109516-6

Conditions :
All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :

Verified By :

Delivered By :

Time

Customer's Signature

Date

Total (\$CAD)



DELIVERY - CLIENT

CO00063121

ACIER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Billed to

DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att: CHANTAL LAVOIE Tél.: 613-632-5200

Instruction F-M

Delivery Route 5

Page 1

Customer N°

Date

Delivery date

Your order N°

Processed by

Salesman

Carrier

Credit Terme

CLI0001056

2017/11/21

2017/11/29

38419

Josianne Bourdon

OUELLETTE VALLEYFIELD

Net 30 Days

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
1 ROUND SS 1 304 RANDOM RSS-1-V 5747	128.16	48.00	PI_\$CLB		1x12'13"					
4 X 12' R/L HEAT					3x12'					
2 SHEET SS 24G SS304-2B (4 X 8) FESS-24G483042B 3441	67.20	64.00	PI2_\$CLB		2x					
2 X 4' X 8' HEAT					4x8'					
3 ROUND STRESSPROOF 1 3/4 RANDOM RST-134-V 5799	98.16	12.00	PI_\$CLB		1x					
1 X 12' HEAT AC11455-VA-23/11					10'6"					
4 ALU SHEET .032 (20G) 6061-T6 (4 X 12) FEAL-0324126061 3096	65.09	144.00	PI2_\$CLB		3x					
3 X 4' X 12' HEAT					4x12'					

425-911

NIR : R-109516-6

Next Page...

**ACIER OUELLETTE INC.**

935, Boul. du Hâvre
Sablerry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

DELIVERY - CLIENT

C000063121

Customer N°

CL10001056

Date

2017/11/21

Delivery date

2017/11/29

Your order N°

38419

Processed by

Josianne Bourdon

Salesman

Carrier

OUELLETTE VALLEYFIELD

Credit Terme

Net 30 Days

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Instruction F-M

Delivery Route 5

Page

2

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
MATERIEL DOIT ETRE STAMPER TRA1894-23/11											
5 ALU SHEET .064 (14G) 6061-T6 (4 X 12) FEAL-0644126061 3169	129.74	144.00	PI2_\$CLB		3x						
3 X 4' X 12' HEAT MATERIEL DOIT ETRE STAMPER TRA1894-23/11					4x12'						
6 ALU SHEET .040 (18G) 6061-T6 (4 X 12) FEAL-0404126061 3121	81.07	144.00	PI2_\$CLB								
3 X 4' X 12' HEAT MATERIEL DOIT ETRE STAMPER											
7 ALU SHEET 1/8 6061-T6 (4 X 12) FEAL-184126061 4253	254.02	144.00	PI2_\$CLB		3x						
3 X 4' X 12' HEAT					4x12						

NIR : R-109516-6

Next Page...



DELIVERY - CLIENT

CO00063121

ACIER OUELLETTE INC.

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N°

CLI0001056

Date

2017/11/21

Delivery date

2017/11/29

Your order N°

38419

Shipped to

Processed by

Josianne Bourdon

Salesman

OUELLETTE VALLEYFIELD

Carrier

Net 30 Days

Credit Terme

3

Billed to
DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Instruction F-M

Att : CHANTAL LAVOIE Tél.: 613-632-5200
Delivery Route 5

Page

3

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
MATERIEL DOIT ETRE STAMPER TRA1894-23/11										
8 ROND SS 2 303 RANDOM NS RSS-2-V 8931	523.20	48.00	PL \$CLB		3x18'9"					
4 X 12' R/L HEAT AC1454-J6-23/11					1x18"					
9 ROND CR 1/2 1018 RANDOM RCR-12-V 5267	13.36	20.00	PL \$CLB		1x 18'9"					
1 X 20' R/L HEAT										

894-12-10

Total Weight (lbs) : 1 360.00

NIR : R-109516-6

Conditions :
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Prepared By :

Verified By :

Delivered By :

Time

Customer's Signature

Date

Total (\$CAD)



DELIVERY - USINE

Copy CO00063121

ACIER OUELLETTE INC.
935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N° CL10001056
Date 2017/11/21
Delivery date **2017/12/05**
Your order N° 38419

Billed to
DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to
Att: CHANTAL LAVOIE Tél.: 613-632-5200
Delivery Route 5

Processed by Josianne Bourdon
Salesman
Carrier
Credit Terme
Page 1
OUELLETTE VALLEYFIELD
Net 30 Days

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
1 ALU SHEET .040 (18G) 6061-T6 (4 X 12) FEAL-0404126061 3121 3 X 4' X 12' HEAT: 63212/01 MATERIEL DOIT ETRE STAMPER AC11539-SA-04/12	81.07	144.00	PI2_SCLB								

Total Weight (lbs) : 81.07
NIR : R-109516-6

Conditions :
All sold and delivered materials remain the property of "Acier Ouellette Inc." until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Not 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :	Verified By :	Delivered By :	Time
Customer's Signature			
Date			

Total (\$CAD)



DELIVERY - CLIENT

Copy CO00063121

ACIER OUELLETTE INC.

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N°

CL10001056

Date

2017/11/21

Delivery date

2017/12/05

Your order N°

38419

Processed by

Josianne Bourdon

Salesman

Carrier

OUELLETTE VALLEYFIELD

Credit Terme

Net 30 Days

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Instruction F-M

Att: CHANTAL LAVOIE Tél.: 613-632-5200
Delivery Route 5

Page

1

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
1 ALU SHEET .040 (18G) 6061-T6 (4 X 12) FEAL-0404126061 3121 3 X 4' X 12' HEAT: 63212/01 MATERIEL DOIT ETRE STAMPER AC11539-SA-04/12	81.07	144.00	PI2_SCLB							

Total Weight (Lbs): 81.07

NIR: R-109516-6

Conditions:
All sold and delivered materials remain the property of "Acier Ouellette Inc." until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By:

Verified By:

Delivered By:

Time

Customer's Signature

Y M D

Total (\$CAD)

Date

**ACIER OUELLETTE INC.**

935, Boul. du Havre . . .
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Invoice

FC00066173

Sold to

DART AEROSPACE LTD

1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : Facturation

Customer N°

CLI0001056

Date

2017/11/30

Your order N°

38419

Processed by

Melanie

Salesman

JOSIANNE

Carrier

OUELLETTE VALLEYFIELD

Credit Term

Net 30 Days

Order N°

CO00063121

Page

1

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
ROUND SS 1 304 RANDOM RSS-1-V 5747 1 X 12'3" 3 X 12' HEAT: 640256 ml	128.82	48.25	PI_\$CLB	48.25	PI		4.00	79.213	316.85
SHEET SS 24G SS304-2B (4 X 8) FESS-24G483042B 3444 2 X 4' X 8' HEAT: 649356 ml	67.20	64.00	PI2_\$CLB	2.00	UN		2.00	92.720	185.44
ROUND STRESSPROOF 1 3/4 RANDOM RST-134-V 5799 1 X 10'8" HEAT: 590135 ml AC11455-VA-23/11	87.19	10.66	PI_\$CLB	10.66	PI		1.00	162.150	162.15
ALU SHEET .032 (20G) 6061-T6 (4 X 12) FEAL-0324126061 3096 3 X 4' X 12' HEAT: 625911 ml MATERIEL DOIT ETRE STAMPER TRA1894-23/11	65.08	144.00	PI2_\$CLB	3.00	UN		3.00	107.600	322.80
ALU SHEET .064 (14G) 6061-T6 (4 X 12) FEAL-0644126061 3169 3 X 4' X 12' HEAT: 6150983001 ml MATERIEL DOIT ETRE STAMPER TRA1894-23/11	129.74	144.00	PI2_\$CLB	3.00	UN		3.00	132.316	396.95
ALU SHEET .040 (18G) 6061-T6 (4 X 12) FEAL-0404126061 3121 3 X 4' X 12' HEAT: 63212/01 ml MATERIEL DOIT ETRE STAMPER AC11539-SA-04/12	0.00	0.00	PI2_\$CLB	0.00	UN		3.00	134.026	0.00
ALU SHEET 1/8 6061-T6 (4 X 12) FEAL-184126061 4253 3 X 4' X 12' HEAT: 6150970 ml	254.01	144.00	PI2_\$CLB	3.00	UN		3.00	301.390	904.17

**ACIER OUELLETTE INC.**

935, Boul. du Havre . .
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Invoice

FC00066173

Sold to

DART AEROSPACE LTD

1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : Facturation

Customer N° CLI0001056
Date 2017/11/30
Your order N° 38419
Processed by Melanie
Salesman JOSIANNE
Carrier OUELLETTE VALLEYFIELD
Credit Term Net 30 Days
Order N° CO00063121
Page 2

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
MATERIEL DOIT ETRE STAMPER TRA1894-23/11									
ROUND SS 2 303 RANDOM NS RSS-2-V 8931 3 X 13'9", 1 X 13'11" HEAT: 6254 <i>Ord</i> ACI1454-JG-23/11	601.35	55.17	PL_\$CLB	55.17	UN_\$UN		4.00	449.435	1 797.74
ROUND CR 1/2 1018 RANDOM RCR-12-V 5267 1 X 18'9" HEAT: 140431 <i>Ord</i>	12.52	18.75	PI_\$CLB	18.75	PI		1.00	9.770	9.77
SURCHARGE ENERGETIQUE FRAIS_ENERGETIQU	0.00		\$						3.95
NOTE :									

Conditions : Total Weight (Lbs) : 1 345.95

All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Subtotal 4 099.82
TPS/GST : 822 670 774 RT0001
TVQ/QST : 122 127 8182 TQ0001 HST 532.98
Total (\$CAD) 4 632.80
Solde (\$CAD) 4 632.80



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038419

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO038419
PO Date: 11/20/17
Due Date: 11/24/17
**Purchase Order
Revision:**
Revision Date:
Ship-To Contact: Phone:

E-MAILED
NOV 21 2017

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments: quotation no sou0071752 and sou0071752

Items

Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M303B1.000X1.000	-	M303B1.000 X 1.000 : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft		Firmed	11/24/17	24 ft	0 ft	24 ft	\$22.41666/ft	\$538.00
2	M304R1.000	-	304 Round Bar 1.00 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft		Firmed	11/24/17	48 ft	0 ft	48 ft	\$6.566875/ft	\$315.21
3	M304S24GA	-	304/316 .025 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf		Firmed	11/24/17	64 sf	0 sf	64 sf	\$2.8975/sf	\$185.44
4	MT-1144-R1.750	-	1144 Steel Proof Round Bar 1.750"		Firmed	11/24/17	12 ft	0 ft	12 ft	\$15.210833/ft	\$182.53
5	M17-4-S11GA	-	17-4 SS Sheet 0.125 (AMS 5604 or ASTM 693) : MATERIAL: 17-4PH STAINLESS STEEL SHEET AS		Firmed	11/24/17	32 ft	0 ft	32 ft	\$55.3125/ft	\$1,770.00



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO038419**

Items											
Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
			PER AMS 5604 MINIMUM YIELD TENSILE STRENGTH = 105 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 135 KSI receive ft								
6	M6061T6S.032	✓	6061-T6 Sheet 0.032" : MATERIAL: 6061- T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf		Firmed	11/24/17	✓ 144 sf	0 sf	144 sf	\$2.2416666/sf	\$322.80
								144sf			
									SPT-12-6		
7	M6061T6S.063	✓	6061-T6 .063 Sheet : MATERIAL: 6061- T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf		Firmed	11/24/17	✓ 144 sf	0 sf	144 sf	\$2.7565625/sf	\$396.95
								144sf			
									SPT-12-6		
8	M6061T6S.040	✓	6061-T6 .040 Sheet : MATERIAL: 6061- T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf		Firmed	11/24/17	✓ 144 sf	0 sf	144 sf	\$2.792222/sf	\$402.08
								144sf			
									SPT-12-6		
9	M6061T6S.125	✓	6061-T6 .125 Sheet : MATERIAL: 6061- T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf		Firmed	11/24/17	✓ 144 sf	0 sf	144 sf	\$6.2789583/sf	\$904.17
								144sf			
									SPT-12-6		
10	M303R2.000	✓	303 Round Bar 2" : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT		Firmed	11/24/17	✓ 48 ft	0 ft	48 ft	\$32.585583/ft	\$1,564.11
								48ft			
									SPT-12-6		



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO038419

Items											
Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
			ACCEPTABLE receive ft								
11	M1018R0.500	-	1018-1025 round bar .500 : MATERIAL: AISI 1018-1025 ROUND BAR AS PER MIL-S-7097 OR ASTM A108 Material, AISI 1020-1025 ROUND TUBING PER MIL-T-5066 OR ASTM A513-00 MT1020 OR AMS 5075 OR AMS 5077 COLD DRAWN		Firmed	11/24/17	12 ft	0 ft 18.9	12 ft	\$0.86833/ft	\$10.42
Grand Total:										\$6,591.70	

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 11/20/17 1:33 PM DART.LAVOIE.CHANTAL



ACIER OUELLETTE INC.

935, Boul. du H vre
Salaberry de Valleyfield (Qu bec) J6S 5L1
T l.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0071752

Billed to

DART AEROSPACE LTD
1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE T l.: 613-632-5200

Customer N 

CLI0001056

Date

2017/11/17

Revision N 

0

Prices valid until

2017/11/24

Your Order N 

Processed by

BERNARD

Salesman

JOSIANNE

Carrier

OUELLE SDV

Credit Terms

Net 30 Days

Page

1

Product N� and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
CARRE SS303 1" N ✓ 2 X 12' R/L 7-10 DAYS	0.00	2.00	UN	2.00	UN		2.00	269.000	538.00
ROUND SS 1 304 RANDOM RSS-1-V 5747 ✓ 4 X 12' R/L STOCK	128.16	48.00	PI_\$CLB	48.00	PI		4.00	78.802	315.21
SHEET SS 24G SS304-2B (4 X 8) FESS-24G483042B 3441 ✓ 2 X 4' X 8' STOCK	67.20	64.00	PI2_\$CLB	2.00	UN		2.00	92.720	185.44
ROUND STRESSPROOF 1 3/4 RANDOM RST-134-V 5799 ✓ 1 X 12' 3-4 DAYS	98.16	12.00	PI_\$CLB	12.00	PI		1.00	182.530	182.53
SHEET 17-4 11G N ✓ 1 X 4' X 8' 7-10 DAYS	0.00	1.00	UN	1.00	UN		1.00	1 770.000	1 770.00
ALU SHEET .032 (20G) 6061-T6 (4 X 12) FEAL-0324126061 3096 ✓ 3 X 4' X 12' 2-3 DAYS	65.09	144.00	PI2_\$CLB	3.00	UN		3.00	107.600	322.80
ALU SHEET .064 (14G) 6061-T6 (4 X 12) FEAL-0644126061 3169 ✓ 3 X 4' X 12' 2-3 DAYS	129.74	144.00	PI2_\$CLB	3.00	UN		3.00	132.316	396.95
ALU SHEET .040 (18G) 6061-T6 (4 X 12) FEAL-0404126061 3121 ✓ 3 X 4' X 12' 2-3 DAYS	81.07	144.00	PI2_\$CLB	3.00	UN		3.00	134.026	402.08
ALU SHEET 1/8 6061-T6 (4 X 12) FEAL-184126061 4253 ✓ 3 X 4' X 12' 2-3 DAYS	254.02	144.00	PI2_\$CLB	3.00	UN		3.00	301.390	904.17
ROND SS 2 303 RANDOM NS RSS-2-V 8931 ✓ 4 X 12' R/L 3-4 DAYS	523.20	48.00	PI_\$CLB	48.00	UN_\$UN		4.00	391.027	1 564.11

pr avis en fonction de l' volution des prix de l'acier sur le march .
Cette offre est sujette et conditionnelle   l'approbation du cr dit.

Date :

Next Page...

7 441.32



ACIER OUELLETTE INC.

935, Boul. du H vre
Salaberry de Valleyfield (Qu bec) J6S 5L1
T l.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0071884

Billed to

DART AEROSPACE LTD
1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE T l.: 613-632-5200

Customer N 

CLI0001056

Date

2017/11/20

Revision N 

0

Prices valid until

2017/11/27

Your Order N 

Processed by

BERNARD

Salesman

JOSIANNE

Carrier

OUELLE SDV

Credit Terms

Net 30 Days

Page

1

Product N� and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
ROUND CR 1/2 1018 RANDOM RCR-12-V 5267 1 X 12' R/L STOCK	8.02	12.00	PI_\$CLB	12.00	PI		1.00	10.420	10.42
SURCHARGE ENERGETIQUE FRAIS_ENERGETIQUE			\$						3.95

Total Weight (Lbs)

8.02

Important

This offer is based on availability and current pricing conditions that may be revised upon

re ception of the order de l' volution des prix de l'acier sur le march .

Cette offre est soumise aux conditions de cr dit approuv .

Approved and Accepted by :

Date :

Sub-total

14.37

TVH-13 * 1.87

Total (\$CAD)

16.24

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 304R1.000
 DATE: DEC 08 2017

PO / BATCH NO.: 038419/5018003

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 48'
 QUANTITY INSPECTED: 48'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000
 THICKNESS RECEIVED: 1.000
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y N	Astm A 276/A
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	Heat # 640256
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>[Signature]</u> DATE: <u>DEC 08 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS ROUND BAR

(NOTE: AISI 303 NOT ACCEPTABLE)

SPECIFICATION:

ASTM A276

PART NUMBER:

M304R D.DDD
DIA.

WHERE "D.DDD" = DIAMETER IN INCHES

EG. 0.75" ROUND BAR = M304R0.750

RELEASED
CH 08/23/14

B	REFORMAT DWG. ADD SPECS (2N D6-1).	CP	08.07.15
A	NEW ISSUE	AJS	08.03.03
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS		
DRAWN	qj		
CHECKED	5		
MFG. APPR.	MD		
APPROVED	MD		
DE APPR.			
DATE	09.07.15		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. B	
DRAWING NO. M304R		SHEET 1 OF 1	
TITLE 304/316 ROUND BAR		SCALE NTS	
COPYRIGHT © 2008 BY DART AEROSPACE LTD. THIS DOCUMENT IS UNCLASSIFIED AND IS AVAILABLE TO THE PUBLIC ON THE EXCEPT WHERE SHOWN OTHERWISE. FOR INFORMATION: THIS DOCUMENT IS UNCLASSIFIED AND IS AVAILABLE TO THE PUBLIC ON THE EXCEPT WHERE SHOWN OTHERWISE.			

P.O. Box 1.323/48050 Bilbao
Tel 34-(4) 4 71 13 00
Fax 34-(4) 4 53 16 36

Certified by
LITQA
ISO 9001 / SGI 8000368
ISO 14001 / SGI 1070678

OLARRA

LES ACIERS TRANSBEC (1997) LTEE
4054, BOULEVARD CORBUSIER, BUREAU 201
LAVAL, QUEBEC, H7L 5R2 - CANADA

Trade Mark - Zeichen des Lieferwerkes
Anagrama del suministrador



Works Inspector Stamp - Werkssachverständiger
Sello del Inspector



Certificate type - APZ Nach Certificado tipo		EN 10204/3.1		Certificate n° - Prüf-Nr Certificado n°		320019		Date - Datum - Fecha 11 - 07 - 2017																																																	
Our order N° Works - Nr N° de Referencia		640256		Heat Schmelze Colada		438705		Your order N° Bestell - Nr Pedido N°																																																	
								47772-STR																																																	
Steel Grade Werkstoff Calidad				AISI-304-L MECAMAX				According to Entsprechend Corresponde																																																	
								ASTM A 479 / A 479M-15.																																																	
Shape and Size - Gegend Perfil y dimensiones		ROUND 1"		Tolerance - Toleranz Tolerancia		ASTM A 484 / TB.7		Bundles Bunde Bultos																																																	
								2																																																	
								Bars Stäbe Barras																																																	
								Weight Gewicht Peso																																																	
								2478 Lbs																																																	
Requirements - Anforderungen - Exigencias																																																									
ASME SA 479 / SA 479M-15 ASTM A 276/A 276M-16a. ASTM A 182/A 182M-16. ASME SA 182 / SA 182M-16 ASTM A 193/A 193M-16 B8 CLASS.1. ASME SA 193/SA 193M-15 B8 CLASS.1. SAE AMS 5647J-11. SAE AMS 5639H-02. AMS QQS 763D-15 COND.A. ASTM A 320 / A 320M-14.					Chemical composition according to ASTM F 899-12b. Chemical composition according to DOD-F-24669/6. Type 304-F.304-F.304L.																																																				
					5 17/12/11																																																				
Melting process / Erhitzungsart / Proceso de Fusión				Heat treatment / Wärmebehandlung / Tratamiento térmico																																																					
E.A.F. / A.O.D.				1050C 4H/Std WATER/WASSER/AGUA																																																					
Solution annealed/Abgeschreckt/Hipertempe-Turned/Drehen/Torneado-Polished/Polier/Pulido-																																																									
Test results - Ergebnis der Prüfungen - Resultados de los ensayos																																																									
Dimension of Specimen Abmessungen des Probestückes Medida de las probetas		Rp0.2% KSI	Rp 1% KSI	Rm KSI	A %L 5D	A %L 4D	Z %	Hardness Härte HBw	Impact test / Kerschlag / Rosillencia ISO V fl. lb																																																
RD, 12,50 mm.		25		70		40	50																																																		
Temperature °C 20		54	60	96		51	72	197																																																	
Spec N° Probe Nr. Pro N°																																																									
<table border="1"> <tr> <td></td> <td>C</td> <td>Si</td> <td>Mn</td> <td>P</td> <td>S</td> <td>Cr</td> <td>Mo</td> <td>Ni</td> <td>Cu</td> <td>N</td> <td>Co</td> </tr> <tr> <td>Min</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>18,00</td> <td></td> <td>8,00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Max</td> <td>0,030</td> <td>1,00</td> <td>2,00</td> <td>0,045</td> <td>0,030</td> <td>20,00</td> <td></td> <td>12,00</td> <td></td> <td>0,1000</td> <td></td> </tr> <tr> <td></td> <td>0,025</td> <td>0,38</td> <td>1,57</td> <td>0,038</td> <td>0,026</td> <td>18,00</td> <td>0,26</td> <td>8,05</td> <td>0,41</td> <td>0,0850</td> <td>0,14</td> </tr> </table>											C	Si	Mn	P	S	Cr	Mo	Ni	Cu	N	Co	Min						18,00		8,00				Max	0,030	1,00	2,00	0,045	0,030	20,00		12,00		0,1000			0,025	0,38	1,57	0,038	0,026	18,00	0,26	8,05	0,41	0,0850	0,14
	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	N	Co																																														
Min						18,00		8,00																																																	
Max	0,030	1,00	2,00	0,045	0,030	20,00		12,00		0,1000																																															
	0,025	0,38	1,57	0,038	0,026	18,00	0,26	8,05	0,41	0,0850	0,14																																														
Visual and dimensional inspection Besichtigung und Ausmessung O.K. Control visual y dimensional		Radioactivity inspection Radioaktivitätskontrolle O.K. Control de Radioactividad		Antimizing test Spektrale Verwachsungspr. O.K. Antimazda		Grain Size Korngröße Tamaño de grano																																																			
Remarks - Bemerkungen - Observaciones																																																									
Free From Mercury contamination/Quecksilberfreiheit. No weld repair. IC test acc./IK prüfung nach ASTM A 262 E.15. OK																																																									
EDV / EDP Acc. EN 10.204 Murian Tejedo Quality Mng. Works Inspector Der Werkssachverständige Inspector de fábrica																																																									

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-1144-R1-750
 DATE: DEC 08 2017

PO / BATCH NO.: 038419/5018005

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 11"
 QUANTITY INSPECTED: 11"
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.750
 THICKNESS RECEIVED: 1.750
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y N	<u>Astm A311</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	<u>Heat # 590135</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>pal</u> DATE: <u>DEC 08 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

8 7 6 5 4 3 2 1

REV.	DESCRIPTION	DATE	BY	APPROVED
A	NEW ISSUE	17.08.09	VM	VM

SPECIFICATION CONTROL DRAWING

24767.12

PURCHASE MATERIAL : AISI 1144 STRESSPROOF STEEL ROUND BAR
SPECIFICATION: ASTM A311 or UNS G11440
PART NUMBER: MT-1144-R [D.DDD]
WHERE "D.DDD" = DIAMETER IN INCHES
EG. 5/8" ROUND BAR = MT-1144-R0.625

DART
AEROSPACE
Manufacturing, Chicago, Canada

TITLE AISI 1144 STRESSPROOF STEEL
ROUND BAR

DWG NO. MT-1144-R

REV A

DESIGNED BY: VM 08/31/2017

DRAWN BY: VM 08/31/2017

CHECKED BY: SAC 08/31/2017

INSTR. BY: PD 08/31/2017

QA APPR.: PD 08/31/2017

DATE: 8/31/2017

SCALE: NTS WEIGHT 0.0 LBS

SHEET 1 OF 1

NOTES:
1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
2. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TO BE HOLE PUNCHING TOLERANCES.
3. DIMENSIONAL LIMITS APPLY TO ALL DIMENSIONS.

REVISIONS:
1. SURFACES TO BE FINISHED TO A FINISH OF 16.
2. SURFACES TO BE FINISHED TO A FINISH OF 16.
3. SURFACES TO BE FINISHED TO A FINISH OF 16.

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8 7 6 5 4 3 2 1

No. de commande / order #	CLIENT / CUSTOMER	No. d'expédition/packing slip #	DATE
AC00011455	ACIER OUELLETTE INC	L29869-01	22-Nov-17
NO. DU MATÉRIEL / I.D. #	NUANCE / GRADE	TRAITEMENT THERMIQUE / HEAT TREATMENT	COULÉE / HEAT #
2015-1798	1144 Stressproof	COLD FINISHED / FINI À FROID	590135
FORME / SHAPE	DIMENSION / SIZE	SPÉCIFICATIONS	
Round / Rond	1.750" in.	ASTM A108-07, A311 Class B	
PAYS D'ORIGINE:	U.S.A.		

ANALYSE CHIMIQUE / CHEMICAL COMPOSITION				
	Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)
actuel (%)	0.440	0.190	1.420	0.010
	Sulfur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)
actuel (%)	0.270	0.050	0.070	0.020
	Copper (Cu)	Vanadium (V)	Lead (Pb)	Nitrogen (N)
actuel (%)	0.200	0.004	0.001	.

PROPRIÉTÉS MÉCANIQUES / MECHANICAL PROPERTIES				
Yield Strength / Elasticité	Résistance à la traction / Tensile	Alongement / Elongation (%)	Réduction surface / ratio	Surface HD/dureté
121,300 PSI	133,300 PSI	9.0%	23.0	244 BHN

Aucune réparation exécutée par soudure durant la fabrication de ce produit. Par la présente nous attestons que les résultats ci-haut mentionnés ont été vérifiés et sont conformes aux spécifications.

No weld repairs performed during the manufacturing of this product. We hereby certify that the above results have been verified and conform to the above mentioned specifications.

Keith BALL

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6S.032
 DATE: DEC 09 2017

PO / BATCH NO.: 038419/5018006

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 144m²
 QUANTITY INSPECTED: 144m²
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.32
 THICKNESS RECEIVED: 0.32
 SHEET SIZE ORDERED: 4x12
 SHEET SIZE RECEIVED: 4x12

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	QQ-A-250/11
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	Heat # 425-861
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>M</u> DATE: <u>DEC 09 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T62 ALUMINUM SHEET
 SPECIFICATION: 6061-T6/T62 OR AMS-QQ-A-250/11
 OR AMS-4025 OR AMS 4027
 OR ASTM B209

PART NUMBER: M6061T6S | XXX | THK

WHERE "XXX" = SHEET THICKNESS (IN INCHES)
 EG. 0.063" THICK SHEET = M6061T6S 063

PREFERRED SIZE: XXX BY 4FT BY 8FT

RELEASED
 2009-09-10
 MJP

B	REFORMAT DWG. ADD B209 SPEC (ZN 08-1).	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13		

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO.	M6061T6S
TITLE	6061-T6 SHEET SPEC
SCALE	NTS
SHEET 1 OF 1	
REV. B	

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CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From: RIVERDALE, IA.

3046314
Ship Date
2016-10-13
P.O. No./Inv Contract No.
C72949 Lnh: 1

B.L. No. 11076376

Alcoa No. Item
1000835710-1
Alcoa Item

Customer
SAMUEL SON & CO LT G041015418R19

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material and the composition limits and that the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Rob Woodall

Rob Woodall
Director of Manufacturing Davenport Works

Terrence Thom
Quality Assurance Manager

Page 2 of 2

Lot: 425911 - Mechanical, Physical, Metallurgy, Quantometer Results (cont.) -----

47.8	39.4	13.2
47.8	39.6	13.1
47.9	39.7	13.1
47.8	39.6	13
48.1	40	12.9
47.7	39.5	13.1
47.8	39.6	13
47.8	39.6	12.9
48	39.9	12.9

Cast Number H9807074 Chemical - OES SI FE CU MN MG CR ZN TI Other Each Other Total
Actuals 0.63 0.4 0.23 0.05 0.9 0.16 0.03 < 0.05 < 0.15

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

We hereby certify that the material covered by this certificate has been inspected w/r, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material meet the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to this report. This report is the property of Alcoa Inc. and is loaned to you for your use only. It and its contents are not to be distributed outside your organization without the written approval of Alcoa Inc. Failure to comply with these conditions may be punishable as a felony under applicable law.

Per:

Red Woodall

Rob Woodall

Director of Manufacturing Davenport Works

Terence Thom

Terence Thom

Quality Assurance Manager

Page 1 of 2

Item Description

0.032 IN TK (+0.0000 -0.0025) X 48.0 IN W (+.125 - .135) X 144.0 IN LN (+.15625 -.15625) CNT X G041015418R (N) A/T 6061-T6 FLAT SHEET FOR DISTRIBUTORS
TOLERANCE GUARANTEED. AMS4027 REV N ANS1H35.2 REV 2013 EXC_MRK ASME-SB-209 REV 15 EXC_MRK ASTM B209 REV 14 ((MARKED)) KRAFT PAPER INTERLEAVED
MAX GROSS SKID WGT: 4750 LB QUAN TOL +/- 40 % CQR D126859 REV 44 CUST REQ 16-08-24 *** W/E 16-08-27 ***

Num	Package Ticket	Lot	Weight	Quantity	UOM	Inspector	Clock Numbers
1	295127	425911	3878	191	PC	27338	47474

Notes for CQR: D126859.44

PRODUCT PRODUCED TO THE REQUIREMENTS OF AMS4027 REV N ALSO MEET THE REQUIREMENTS OF AMS-QQ-A-250.11 ORIGINAL REVISIO N DATED 1997-08-01.

CQR: D126859.44 -Specification Limits

Temp	Dir	Long Transv.	Max	Min	42.0	35.0	10
T6							

Chemical Composition	SI	FE	CU	MN	MG	CR	ZN	TI	Each	Total	Aluminum
Alloy 6061	Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15
Lot: 425911	Min	0.40	0.15	0.15	0.8	0.04					REMAIN

Temp	Dir	Long Transv.	Test	10	47.9	39.7	13
T6							

Quantometer Results

Temp	Dir	Long Transv.	Test	10	47.9	39.7	13
T6							

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6S.063
 DATE: DEC 09 2017

PO / BATCH NO.: 038419/5018007

MATERIAL CERT REC'D: 1/25
 QUANTITY RECEIVED: 144P
 QUANTITY INSPECTED: 144P
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .063
 THICKNESS RECEIVED: .063
 SHEET SIZE ORDERED: 4X12
 SHEET SIZE RECEIVED: 4X12

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/>	AMS-QQ-A-250/11
CORRECT THICKNESS	Y <input checked="" type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/>	Heat # 6150983001
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>[Signature]</u> DATE: <u>DEC 09 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T62 ALUMINUM SHEET
 SPECIFICATION: QQ-A-250/11 OR AMS-QQ-A-250/11
 OR AMS 4025 OR ASTM B209
 PART NUMBER: M6061T6S | XXX | THK
 WHERE "XXX" = SHEET THICKNESS (IN INCHES)
 EG. 0.063" THICK SHEET = M6061T6S.063
 PREFERRED SIZE: XXX BY 4 FT BY 8 FT

RELEASED
 2009-09-10


B	REFORMAT DWG. ADD B209 SPEC (ZN DB-1).	CP	09 07 13
A	NEW ISSUE	DS	01 06 08
REV	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13		

DART AEROSPACE LTD		REV. B
HAWKESBURY, ONTARIO, CANADA		SHEET 1 OF 1
DRAWING NO.	M6061T6S	SCALE
TITLE	6061-T6 SHEET SPEC	NTS

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6S.040
 DATE: DEC 09 2017

PO / BATCH NO.: 038419/5018008

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 144P²
 QUANTITY INSPECTED: 144P²
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .040
 THICKNESS RECEIVED: .040
 SHEET SIZE ORDERED: 4x12
 SHEET SIZE RECEIVED: 4x12

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>AMS-QQ-A-250/11</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>Heat # 63212/01</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N <input type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>[Signature]</u> DATE: <u>DEC 09 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T62 ALUMINUM SHEET
SPECIFICATION: QA-A-250/11 OR AMS-QA-A-250/11
OR AMS-4025 OR AMS 4027
OR ASTM B209

PART NUMBER: M6061T6S | XXX | THK

WHERE "XXX" = SHEET THICKNESS (IN INCHES)

EG. 0.063" THICK SHEET = M6061T6S.063

PREFERRED SIZE: .XXX BY 4FT BY 8FT

RELEASED
R 2009-08-10
MAP

B	REFORMAT DWG. ADD B209 SPEC (ZN D8-1).	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR			
APPROVED			
DE APPR.			
DATE	09.07.13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M6061T6S			
REV. B SHEET 1 OF 1			
TITLE 6061-T6 SHEET SPEC			
SCALE NTS			
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#HT: 6150983001

PAC 1461

MILL TEST/QUALITY CONTROL CERTIFICATE

ALNAN ALUMINIUM INC.

No.55 TingHong Road Nanning, Guangxi, 530031, China

20

CUSTOMER	ADDRESS	PRODUCT TYPE	DATE
EMPIRE RESOURCES, INC.	2115 LINWOOD AVENUE, 2ND FLOOR, FORT LEE, NJ 07024, USA	PRIME ALUMINIUM COIL	February 20, 2016

UNIQUE Lot Number	HEAT Number	Dimension (mm)	Dimension (inch)	Act Thick (mm)	Act Thick (inch)	Weight MT	Alloy	Temper	AI	Cu	Mg	Si	Fe	Mn	Zn	Ti	Cr	Elong (%)	UTS ksi	Yield ksi
Standard	Standard	0.94-1.676	0.037-0.064				6061	T6	remainder	0.15-0.40	0.8-1.2	0.40-0.8	0.7max	0.15max	0.25max	0.15max	0.04-0.35	10min	42.0min	35.0min
Standard	Standard	1.651-3.251	0.065-0.128				6061	T6	remainder	0.15-0.40	0.8-1.2	0.40-0.8	0.7max	0.15max	0.25max	0.15max	0.04-0.35	10min	42.0min	35.0min
Standard	Standard	3.277-6.375	0.129-0.249				6061	T6	remainder	0.15-0.40	0.8-1.2	0.40-0.8	0.7max	0.15max	0.25max	0.15max	0.04-0.35	10min	42.0min	35.0min
201602200117	6150983001	4.600-1219.2	0.063-48	1.541	0.061	4.698	6061	T6	remainder	0.29	1.07	0.66	0.28	0.12	0.36	0.03	0.24	13.5	44.5	39.0
The following blank																				

ORIGIN OF GOODS AS ALNAN ALUMINIUM INC.
 ACTUAL MILL CHEMICAL AND MECHANICAL PROPERTY TEST REPORTS IN MATERIAL NOMENCLATURE REQUIRED PER SKID
 MATERIAL CONFORMS FOR ALLOY 6061, T6, AS PER ASTM B209-10, AMS QQA 250/11, AMS 4027 AND ALUMINIUM ASSOCIATION STANDARDS-2009 IN ALL ASPECTS.
 COUNTRY OF MELT AND MANUFACTURE-CHINA

Issued by QA73

Reviewed by

QA77

广西南铝密加工有限公司
 ALNAN ALUMINIUM INC. D/1

17/12/11

CO.63121

DART

P0.11539

AMAG
ROLLING**Abnahmeprüfzeugnis 3.1 (EN 10204)**
Inspection certificate - mill certificate

Nr.: 89050631

01 / 1

Rev.: 0

Seite / page:

1 von / of 2

Datum / date:

2017 05 18

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, ENAS 9100, ISO 14001, NADCAP

Bestell Nr. / order no.:	C 73968
Datum / date:	2017 01 27
Auftragsbest. Nr. / order confirm no.:	125470
Datum / date:	2017 01 30
Lieferschein Nr. / delivery note:	89050631
Datum / date:	2017 08 30

Produkt / product	Bedingungen / terms
Form / form: Sheet	Technische Lieferbedingungen / techn. spec.:
Werkstoff / material: 6061	AMS-QQ-A-250/11, 08.1997
Zustand / temper: T6	ASTM B 209 - 14
Dlm. / dim.: (inch): 0,040x48,00x144,00	AMS 4027N, 07.2008
	Cessna CMMP019, Rev. D, 09-07-01
	Cessna CMMP025, Rev. V, 2-20-15
	Sondervorschrift / special terms:

AB-Pos. ord.-item	BNr/Los Lot/No.	Teillos Part	Guss Nr. cast no.	Werkstoff material	Kollo packno.	Gewicht netto weight net	Stk. pcs.
03	63212/01	00	01/0082345/7	6061	1254700013	2339,065 lbs	87
03	63212/01	00	01/0082345/7	6061	1254700014	2343,474 lbs	87

Chemische Zusammensetzung ([%] Gewichtsanteile) / Chemical composition ([%] weight proportion (QES))											
Guss Nr. / cast no.	material	Si	Fe	Cu	Mn	Mg	Cr	Zn	Pb	Others Each	Others Total
01/0082345/7	6061										
	spec. min.	0,40	-	0,15	-	0,80	0,04	-	-	-	-
	spec. max.	0,80	0,70	0,40	0,15	1,20	0,35	0,25	0,15	0,05	0,15
	actual	0,67	0,43	0,24	0,13	0,85	0,17	0,05	0,03	0,02	0,03

Zugprüfung LT / tensile test LT									
BNr/Los Lot/No.	Zustand temper	Richtung direction	Tests	UTS [ksi]	YS [ksi]	A2" [%]			
				spec.min.	42,0	35,0	10		
				spec.max.	-	-	-		
63212/01	T6	LT	5	from	49,2	43,2	13		
63212/01	T6	LT		to	49,5	43,4	13		

Sonstige Prüfungen / other tests	
Biegeversuch: OK. / Transverse bend test: OK.	
Maßkontrolle: OK. / Dimensional Check: OK.	
Oberfläche: OK. / Surface inspection: OK.	



Abnahmeprüfzeugnis 3.1 (EN 10204)
Inspection certificate - mill certificate

Nr.: 89050631

01 / 1

Rev.: 0

Seite / page:

2 von / of 2

Datum / date:

2017 05 18

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, ENAS 9100, ISO 14001, NADCAP

Bemerkungen / notes

Die Dimensionstoleranzen entsprechen ANSI XXX /
As standard, dimensional tolerances are to ANSI XXX

Ausgestellt nach Airbus Zulassung Nr. 30272.

Wir bestätigen, dass die gesamte Lieferung unter Einhaltung und soweit oben nicht anders dargelegt aller Forderungen (Spezifikationen, Zeichnungen, Aufträge) hergestellt und geprüft wurde.

Das Qualitätsmanagementsystem erfüllt die Anforderungen der AUK/SA/001-3.

Hergestellt, kontrolliert und geprüft nach Hawker Beechcraft HBIFSAS/PART3/0771

Agusta Westland Genehmigung Lieferantennummer V21275

Issued under Airbus Approval No. 30272.

Certified that the whole of the supplies detailed hereon have been manufactured, inspected, tested and unless otherwise stated above conform in all respects to the Specifications, Drawings and Contract.

Order relevant thereto The Quality Management System arrangements in respect of these supplies comply with the requirements of AUK/SA/001-3.

Manufactured, inspected and tested according Hawker Beechcraft HBIFSAS/PART3/0771

Agusta Westland approval supplier code V21275

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.

We hereby certify that the material described above has been tested and complies with the terms of the order contract.

Werkstoffverständiger / factory specialist

E-Mail / e-mail

Klampfer Josef

josef.klampfer@amag.at

Herstellortland: Österreich / goods origin: The goods are of Austrian origin.

Maschinenell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.

AMAG rolling
Werkstoffverständiger
ROL-Nr. 015

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061+65.125
 DATE: DEC 09 2017

PO / BATCH NO.: 038419/5018009

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 144 Pcs
 QUANTITY INSPECTED: 144 Pcs
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .125
 THICKNESS RECEIVED: .125
 SHEET SIZE ORDERED: 4x12
 SHEET SIZE RECEIVED: 4x12

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y N	Q.Q-A-250/11
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	Heat # 6150920
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>[Signature]</u> DATE: <u>DEC 09 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T62 ALUMINUM SHEET
SPECIFICATION: QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS 4025 OR AMS 4027
OR ASTM B209
PART NUMBER: M6061T6S | XXX | THK
WHERE "XXX" = SHEET THICKNESS (IN INCHES)
EG. 0.063" THICK SHEET = M6061T6S 063
PREFERRED SIZE: XXX BY 4FT BY 8FT

RELEASED
R 2009-08-10
MSP

B	REFORMAT DWG. ADD B209 SPEC (ZN D8-1).	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR			
APPROVED			
DE APPR			
DATE	09.07.13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. B	
DRAWING NO. M6061T6S		SHEET 1 OF 1	
TITLE 6061-T6 SHEET SPEC		SCALE NTS	
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MILL TEST/QUALITY CONTROL CERTIFICATE

ALUNAN ALUMINIUM INC.

No.55 Jinghong Road Nanning, Guangxi, 530081, China

CUSTOMER

BAIPIRE RESOURCES, INC.

ADDRESS

2115 LUMWOOD AVENUE, 2ND FLOOR, FORT LEE, NJ 07024, USA

PRODUCT TYPE

ALUMINIUM SHEET

DATE: February 05, 2016

UNIQUE Lot Number	HEAT Number	Dimension (mm)	Dimension (inch)	Act Thick (mm)	Act Thick (inch)	Weight MT	Alloy	Temper	Al	Cu	Mg	Si	Fe	Mn	Zn	Ti	Cr	Elong (%)	UTS ksi	Yield ksi
Standard	Standard	0.152-0.173	0.006-0.007				6061	T6	remainder	0.15-0.40	0.8-1.2	0.10-0.35	0.7max	0.15max	0.25max	0.15max	0.04-0.35	4min	47min	35min
Standard	Standard	0.203-0.229	0.008-0.009				6061	T6	remainder	0.15-0.40	0.8-1.2	0.10-0.35	0.7max	0.15max	0.25max	0.15max	0.04-0.35	4min	47min	35min
Standard	Standard	0.254-0.308	0.010-0.012				6061	T6	remainder	0.15-0.40	0.8-1.2	0.10-0.35	0.7max	0.15max	0.25max	0.15max	0.04-0.35	4min	47min	35min
Standard	Standard	0.355	0.014-0.015				6061	T6	remainder	0.15-0.40	0.8-1.2	0.10-0.35	0.7max	0.15max	0.25max	0.15max	0.04-0.35	4min	47min	35min
201602040107	6150970	1.175*1219*2*3657.6	0.125*48.0*144.0	3.100	0.122	1.735	6061	T6	remainder	0.29	1.03	0.63	0.24	0.13	0.11	0.03	0.26	15.5	47.0	40.6
201602040103	6150970	1.175*1219*2*3657.6	0.125*48.0*144.0	3.100	0.122	1.732	6061	T6	remainder	0.29	1.03	0.63	0.24	0.13	0.11	0.03	0.26	15.5	47.0	40.6
201602040104	6150970	1.175*1219*2*3657.6	0.125*48.0*144.0	3.100	0.122	1.735	6061	T6	remainder	0.29	1.03	0.63	0.24	0.13	0.11	0.03	0.26	15.5	47.0	40.6
201602040105	6150970	1.175*1219*2*3657.6	0.125*48.0*144.0	3.100	0.122	1.808	6061	T6	remainder	0.29	1.03	0.63	0.24	0.13	0.11	0.03	0.26	15.5	47.0	40.6
201602040106	6150970	1.175*1219*2*3657.6	0.125*48.0*144.0	3.100	0.122	1.738	6061	T6	remainder	0.29	1.03	0.63	0.24	0.13	0.11	0.03	0.26	15.5	47.0	40.6

ORIGIN OF GOODS AS ALUNAN ALUMINIUM INC.

ACTUAL MILL CHEMICAL AND MECHANICAL PROPERTY TEST REPORTS IN DIAPYCNAL NOMENCLATURE REQUIRED PER SMO MATERIAL CONFORMS FOR ALLOY 6061-T6, AS PER AMS QQA 25041, AMS 4022, ASTM-B209-10 SB-209 AND ALUMINUM ASSOCIATION STANDARDS IN ALL ASPECTS.

COUNTRY OF MELT AND MANUFACTURE: CHINA

Issued by: QA17

Reviewed by: QA18

广西南南铝加工有限公司
ALUNAN ALUMINIUM INC.

1/1

PAC 1461

MILL TEST/QUALITY CONTROL CERTIFICATE

ALNAN ALUMINIUM INC.

No.55 TingHong Road Nanning, Guangxi, 530031, China

20

CUSTOMER	ADDRESS	PRODUCT TYPE	DATE
EMPIRE RESOURCES, INC.	2115 UNWIND AVENUE 2ND FLOOR FORT LEE, NJ 07024, USA	PRIME ALUMINIUM COIL	February 20, 2016

UNIQUE Lot Number	HEAT Number	Dimension (mm)	Dimension (inch)	Act Thick (mm)	Act Thick (inch)	Weight MT	Alloy	Temper	Al	Cu	Mg	Si	Fe	Mn	Zn	Ti	Cr	Elong (%)	UTS ksi	Yield ksi
Standard	Standard	0.240-1.676	0.037-0.064				6061	T6	remainder	0.15-0.40	0.8-1.2	0.40-0.8	0.7max	0.15max	0.25max	0.15max	0.04-0.35	10min	42.0min	35.0min
Standard	Standard	1.651-3.251	0.065-0.128				6061	T6	remainder	0.15-0.40	0.8-1.2	0.40-0.8	0.7max	0.15max	0.25max	0.15max	0.04-0.35	10min	42.0min	35.0min
Standard	Standard	3.277-6.375	0.129-0.249				6061	T6	remainder	0.15-0.40	0.8-1.2	0.40-0.8	0.7max	0.15max	0.25max	0.15max	0.04-0.35	10min	42.0min	35.0min
201602200117	6150983001	1.600*1219.2	0.063*48	1.541	0.061	4.698	6061	T6	remainder	0.29	1.07	0.66	0.28	0.12	0.36	0.03	0.24	13.5	44.5	39.0
The following blank																				

ORIGIN OF GOODS AS ALNAN ALUMINIUM INC.
 ACTUAL MILL CHEMICAL AND MECHANICAL PROPERTY TEST REPORTS IN IMPERIAL NOMENCLATURE REQUIRED PER SKD
 MATERIAL CONFORMS FOR ALLOY 6061, T6, AS PER ASTM B209-10, AMS QQA 250/11, AMS 4027 AND ALUMINIUM ASSOCIATION STANDARDS-2009 IN ALL ASPECTS.
 COUNTRY OF MELT AND MANUFACTURE-CHINA

Issued by **QA73**

Reviewed by **QA77**

广西南铝深加工有限公司
 ALNAN ALUMINIUM INC. H/L
Signature

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303R 2.000
 DATE: DEC 08 2017

PO / BATCH NO.: 038419/5018010
5018003

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 48"
 QUANTITY INSPECTED: 48"
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.000
 THICKNESS RECEIVED: 2.000
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y N	<u>Astm A582</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y N	<u>Heat # 6254</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>ml</u> DATE: <u>DEC 08 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR
(NOTE: AISI 304/316 NOT ACCEPTABLE)

SPECIFICATION:

ASTM A582
M303R0.000
DIA.

PART NUMBER:

WHERE "D.DDD" = DIAMETER IN INCHES
EG. 0.75" ROUND BAR = M303R0.750

RELEASED
R 2010-02-02
NR

B	REFORMAT DWG. ADD SPECS (ZN D8-1).	CP	10.01.05
A	NEW ISSUE	DS	01.12.20
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.01.05		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M303R			
REV. B SHEET 1 OF 1			
TITLE 303 ROUND BAR			
SCALE NTS			
DATE 10.01.05			
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CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

Page 01 of 02

Certification Date
23-NOV-2017

CUSTOMER ORDER NUMBER
NUMÉRO DE COMMANDE DU CLIENT

Invoice Number
S700403

AC00011454
PART NUMBER/NUMÉRO DE PIÈCE
508846

SOLD TO: ACIER OUELLETTE INC. SHIP TO: ACIER OUELLETTE INC.
VENDU À: DIVISION SALABERRY DE VALLEYFIELD DIVISION SALABERRY DE VALLEYFIELD
935, BOUL. DU HAVRE 935, BOUL. DU HAVRE
SALABERRY-DE- VALLEYFIELD QC J6S 5L1 SALABERRY-DE- VALLEYFIE QC J6.

Description: 303 CF ANN BAR ASTM A582

2 RD X 12" R/L
HEAT: 6254

ITEM: 508846

Line Total: 588 LB

Specifications:
AMS 5640 TYPE 1 U
ASTM A388/A 388M 15

ASTM A582 M17

ASTM E381 12

5
17/12/14

CHEMICAL ANALYSIS

C	SI	MN	P	S	CR	MO	NI
0.06	0.31	1.70	0.039	0.266	17.55	0.23	8.08
CU	N						
0.22	0.058						

RCPT: R286368

COUNTRY OF ORIGIN : INDIA

MECHANICAL PROPERTIES

DESCRIPTION	YLD STR MPa	ULT TEN MPa	%ELONG IN 02 IN	%RED IN AREA	HARDNESS BHN
	285.0	616.0	56.0	59.0	181

MATERIAL IS FREE FROM MERCURY CONTAMINATION
NO WELD REPAIR PERFORMED ON MATERIAL
THERMAL TREATMENT: OK
HEAT TREATMENT: MATERIAL SOL ANNEALED AT 1050 C SOAKING
FOR 2 HRS & WATER QUENCHED
MACRO: OK

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES

MANAGER QUALITY ASSURANCE
GÉRANT DE L'ASSURANCE QUALITÉ

CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

Page 02 of 02

Certification Date
23-NOV-2017

CUSTOMER ORDER NUMBER
NUMÉRO DE COMMANDE DU CLIENT

AC00011454

Invoice Number
S700403

PART NUMBER/NUMÉRO DE PIÈCE
508846

SOLD TO:	ACIER OUELLETTE INC.	SHIP TO:	ACIER OUELLETTE INC.
VENDU À:	DIVISION SALABERRY DE VALLEYFIELD	EXPÉDIÉ À:	DIVISION SALABERRY DE VALLEYFIELD
	935, BOUL. DU HAVRE		935, BOUL. DU HAVRE
	SALABERRY-DE- VALLEYFIELD QC J6S 5L1		SALABERRY-DE- VALLEYFIE QC J6

Description: 303 CF ANN BAR ASTM A582

2 RD X 12" R/L

HEAT: 6254

ITEM: 508846

Line Total: 588 LB

COMMENTS

country of origin: india

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with persons while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

Joanne Desrosiers

MANAGER QUALITY ASSURANCE
GÉRANT DE L'ASSURANCE QUALITÉ

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M1018 R0.500

PO / BATCH NO.: 038419/5018011

DATE: DEC 08 2017

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 19'
 QUANTITY INSPECTED: 19'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.500
 THICKNESS RECEIVED: 0.500
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> N	Astm A108
CORRECT THICKNESS	<input checked="" type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> N	Heat # 140431
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>rd</u> DATE: <u>DEC 08 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 1018-1025 ROUND BAR
SPECIFICATION: MIL-S-7097 OR ASTM A108
PART NUMBER: M1018-R0.DDD WHERE D.DDD = DIAMETER IN INCHES
DIA.

EG. 7/8" ROUND BAR = M1018-R0.875

TOLERANCES: PER ASTM A108 AS FOLLOWS:

SIZE TOLERANCE
UP TO 1.5" INCL. +0.000/-0.002
OVER 1.5" TO 2.5" INCL. +0.000/-0.003
OVER 2.5" TO 4.0" INCL. +0.000/-0.004
OVER 4.0" TO 6.0" INCL. +0.000/-0.005
OVER 6.0" TO 8.0" INCL. +0.000/-0.006

RELEASED
2012-09-24
MPD

B	REFORMAT, ADD ASTM A108, ADD TOLERANCES	CP	12.09.05
A	NEW ISSUE	DS	01.06.12
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	CP		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	12.09.05		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M1018-R		REV. B	
TITLE 1018-1025 ROUND BAR		SHEET 1 OF 1	
SCALE NTS			
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5267
5277

ROR-12

TRA 1594 48932
TRA 1325 48933
3P.



ARANA Y LUPARDO, 2
48490 UGAO-MIRAVALLS/VIZCAYA (SPAIN)
Tfno.: 946480211
Fax: 946480128
Email: calpradera@calibradospradera.es
www.calibradospradera.es

CERTIFICADO DE CALIDAD/QUALITY REPORT

De acuerdo a /Made according to:

EN 10204/DIN 50049

3.1

Nº CERTIFICADO / CERTIFICATE NR.: 48819

ALBARAN 48819 Delivery Note Nr.	CLIENTE I.E.S ACIFRS TRANSBEC (1997) LTÉE CUSTOMER
------------------------------------	---

Norma : EN 10277 Productos Calibrados de acero. Condiciones técnicas de suministro.
Norm : Bright steel products. Technical delivery conditions.

PRODUCTO SOLICITADO / PRODUCT ACCORDING ASTM A108

Nº PEDIDO Purchase Order	DESCRIPCIÓN Description	ESPESES Thickness	TOLERANCIA TOLERANCE	OF	ANÁLISIS Measurement
PAR-47851	1018 CUA. ESTIRADO 12,70 (1/2")	880	-0,110	916617	12,70
OU-47812	1018 CUA. ESTIRADO 12,70 (1/2")	982	-0,110	916617	12,70
AQM-47672	1018 CUA. ESTIRADO 38,10 (1 1/2")	1.018	-0,160	139549	38,10
PAJ-48073	1018 CUA. ESTIRADO 12,70 (1/2")	990	-0,110	916617	12,70
PAJ-48073	1018 CUA. ESTIRADO 38,10 (1 1/2")	1.016	0,160	139756	38,10
MJP-47896	1018 CUA. ESTIRADO 38,10 (1 1/2")	2.032	-0,160	139775	38,10
MN-47094	1018 CUA. ESTIRADO 38,10 (1 1/2")	892	-0,160	139817	38,10
MN-47094	12L14 RED. ESTIRADO 31,75 (1 1/4")	892	-0,051	202514	31,75
PAJ-48097	1018 CUA. ESTIRADO 38,10 (1 1/2")	886	-0,160	140120	38,10
PAR-48177	1018 CUA. ESTIRADO 25,40 (1")	1.036	-0,130	916780	25,40
PAR-48177	1018 RED. ESTIRADO 25,40 (1")	4.004	-0,051	140110	25,40
PAR-48177	12L14 RED. ESTIRADO 22,23 (7/8")	994	-0,051	202551	22,23
PAR-48177	12L14 H.F.C. ESTIRADO 28,58 (1 1/8")	1.056	-0,076	916960	28,58
MJP-48227	1018 RED. ESTIRADO 12,70 (1/2")	1.030	-0,051	140121	12,70
OU-48310	12L14 RED. ESTIRADO 15,88 (5/8")	1.008	-0,051	140427	15,88
OU-48310	1018 RED. ESTIRADO 6,35 (1/4")	1.062	-0,051	140428	6,35
OU-48310	1018 RED. ESTIRADO 19,05 (3/4")	2.044	-0,051	140430	19,05
OU-48310	1018 RED. ESTIRADO 12,70 (1/2")	1.060	-0,051	140431	12,70
AQM-47689	1018 RED. ESTIRADO 9,53 (3/8")	950	-0,051	140166	9,53

277
267

Composición química de la colada / Chemical Analysis of Heat

MEDIDA Measurement	OF	COLADA Cast Nr.	% C	% Cr	% Cu	% Mn	% Mo	% N	% Ni	% P	% Pb	% S	% Si
12,70 0,00	916617	41450	0,150	0,000	0,000	0,769	0,000	0,000	0,000	0,015	0,000	0,009	0,194
12,70 0,00	916617	41450	0,150	0,000	0,000	0,769	0,000	0,000	0,000	0,015	0,000	0,009	0,194
38,10 0,00	139549	41798	0,165	0,000	0,150	0,760	0,000	0,000	0,000	0,010	0,000	0,012	0,230
12,70 0,00	916617	41450	0,150	0,000	0,000	0,769	0,000	0,000	0,000	0,015	0,000	0,009	0,194
38,10 0,00	139756	41798	0,165	0,000	0,150	0,760	0,000	0,000	0,000	0,010	0,000	0,012	0,230
38,10 0,00	139775	41798	0,165	0,000	0,150	0,760	0,000	0,000	0,000	0,010	0,000	0,012	0,230
38,10 0,00	139817	41798	0,165	0,000	0,150	0,760	0,000	0,000	0,000	0,010	0,000	0,012	0,230
31,75 0,00	202514	40991 W	0,070	0,140	0,270	1,110	0,030	0,000	0,120	0,052	0,710	0,313	0,020
38,10 0,00	140120	41798	0,165	0,000	0,150	0,760	0,000	0,000	0,000	0,010	0,000	0,012	0,230
25,40 0,00	916780	41544 C	0,160	0,000	0,000	0,720	0,000	0,000	0,000	0,016	0,000	0,023	0,160
25,40 0,00	140110	41830 G	0,170	0,000	0,000	0,670	0,000	0,000	0,000	0,011	0,000	0,018	0,134
22,23 0,00	202551	41687 AG	0,070	0,046	0,012	1,130	0,006	0,000	0,023	0,064	0,270	0,300	0,003
28,58 0,00	916960	41658 AG	0,070	0,080	0,010	1,090	0,011	0,000	0,024	0,056	0,300	0,300	0,005
12,70 0,00	140121	41690 GM	0,170	0,000	0,029	0,710	0,000	0,007	0,000	0,020	0,000	0,008	0,160
15,88 0,00	140427	41826 G	0,066	0,028	0,085	1,125	0,010	0,000	0,033	0,044	0,260	0,304	0,012
6,35 0,00	140428	41480 GM	0,160	0,000	0,000	0,750	0,000	0,000	0,000	0,021	0,000	0,032	0,160
19,05 0,00	140430	41702 AG	0,177	0,000	0,119	0,787	0,000	0,002	0,000	0,013	0,000	0,022	0,201
12,70 0,00	140431	41705 GM	0,160	0,000	0,260	0,720	0,000	0,012	0,000	0,013	0,000	0,012	0,170
9,53 0,00	140166	41460 GM	0,160	0,000	0,000	0,750	0,000	0,000	0,000	0,021	0,000	0,032	0,160

Handwritten signature or mark.



ARANA Y LUPARDO, 2
48490 UGAO-MIRAVALLS/VIZCAYA (SPAIN)
Tfno.: 946480211
Fax: 946480128
Email: calpradera@calibradospradera.es
www.calibradospradera.es

CERTIFICADO DE CALIDAD/QUALITY REPORT

De acuerdo a /Made according to:

EN 10204/DIN 50049

3.1

N° CERTIFICADO / CERTIFICATE NR.: 48819

ALBARAN 48819 Delivery Note Nr.	CLIENTE LES ACIERS TRANSBEC (1997) LTÉE CUSTOMER
------------------------------------	---

Norma : EN 10277

Productos Calibrados de acero. Condiciones técnicas de suministro.

Norm :

Bright steel products. Technical delivery conditions.

Características mecánicas / Mechanical properties

MEDIDA Measurement	OF	COLADA Cast Nr.	Resistencia Tens. strength N/mm ²	Lím.elástico Yield point 0.2% N/mm ²	Alargamiento Elongation Lo=50 mm.	Dureza HB Hardness HB	Estricción %
12,70	916617	41450	606,20	550,30	15,40	185,00	61,50
12,70	916617	41450	606,20	550,30	15,40	185,00	61,50
38,10	139549	41798	472,00	314,00	33,00	0,00	0,00
12,70	916617	41450	606,20	550,30	15,40	185,00	61,50
38,10	139756	41798	472,00	314,00	33,00	0,00	0,00
38,10	139775	41798	472,00	314,00	33,00	0,00	0,00
38,10	139817	41798	472,00	314,00	33,00	0,00	0,00
31,75	202514	40991 W	545,20	529,60	24,08	200,00	40,07
38,10	140120	41798	472,00	314,00	33,00	0,00	0,00
25,40	916780	41544 C	499,00	321,00	29,00	0,00	0,00
25,40	140110	41830 G	608,12	588,78	27,36	205,00	57,24
22,23	202551	41687 AG	551,91	540,60	17,60	190,00	49,80
28,58	916960	41658 AG	491,80	472,70	25,70	162,00	50,83
12,70	140121	41690 GM	647,41	585,28	16,92	228,00	63,62
15,88	140427	41826 G	588,93	579,26	11,28	175,00	41,65
6,35	140428	41480 GM	536,00	0,00	35,90	0,00	0,00
19,05	140430	41702 AG	609,50	579,72	16,86	180,00	61,57
12,70	140431	41705 GM	612,53	597,86	13,40	195,00	46,67
9,53	140166	41460 GM	524,00	0,00	33,50	0,00	0,00

Calidad Superficial

DESCRIPCIÓN Description	OF	Clase EN 10277-1
12L14 RED. ESTIRADO 31,75 (1 1/4")	202514	3
12L14 RED. ESTIRADO 22,23 (7/8")	202551	3
12L14 HEX. ESTIRADO 28,58 (1 1/8")	916960	1
1018 RED. ESTIRADO 12,70 (1/2")	140121	3
12L14 RED. ESTIRADO 15,88 (5/8")	140427	3
1018 RED. ESTIRADO 6,35 (1/4")	140428	2
1018 RED. ESTIRADO 19,05 (3/4")	140430	2
1018 RED. ESTIRADO 12,70 (1/2")	140431	3
1018 RED. ESTIRADO 9,53 (3/8")	140166	2

Observaciones: BARRAS DE ACERO ESTIRADAS EN FRÍO SIN ALEAR



ARANA Y LUPARDO, 2
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CERTIFICADO DE CALIDAD/QUALITY REPORT

De acuerdo a /Made according to:

EN 10204/DIN 50049

3.1

Nº CERTIFICADO / CERTIFICATE NR.: 48819

ALBARAN 48819
Delivery Note Nr.

CLIENTE I.E.S ACIERS TRANSHEC (1997) LTÉE
CUSTOMER

Norma : EN 10277

Productos Calibrados de acero. Condiciones técnicas de suministro.

Norm :

Bright steel products. Technical delivery conditions.

DEPARTAMENTO DE CALIDAD: Certifica que el mencionado producto cumple con las especificaciones del pedido.

QUALITY DEPARTMENT: Certify that the product fulfils the order specifications.

Fecha/Date: 20/09/2017

Firmado: Susana Fernández
Directora de Calidad



Sistema de
Gestión
ISO 9001:2008
Nº de Lic. 8501
ID 117300024

CO. 63121

DART

P6.11539

AMAG
 ROLLING

Abnahmeprüfzeugnis 3.1 (EN 10204)
Inspection certificate - mill certificate

Nr.: 89050631

01 / 1

Rev.: 0

Seite / page:

1 von / of 2

Datum / date:

2017 05 18

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Bestell Nr. / order no.:	C 73968
Datum / date:	2017 01 27
Auftragsbest. Nr. / order confirm no.:	125470
Datum / date:	2017 01 30
Lieferschein Nr. / delivery note:	89050631
Datum / date:	2017 06 30

Produkt / product	Bedingungen / terms
Form / form: Sheet Werkstoff / material: 6061 ✓ Zustand / temper: T6 ✓ Dim. / dim.: [inch]: 0,040x48,00x144,00 ✓	Technische Lieferbedingungen / techn. spec.: AMS-QQ-A-250/11, 08.1997 ASTM B 209 - 14 ✓ AMS 4027N, 07.2008 Cessna CMMP019, Rev. D, 09-07-01 Cessna CMMP025, Rev. V, 2-20-15 Sondervorschrift / special terms:

AB-Pos. ord.-item.	BNr/Los Lot/No.	Teillos Part	Guss Nr. cast no.	Werkstoff material	Kollo packno.	Gewicht netto weight net	Stk. pcs.
03	63212/01	00	01/0082345/7	6061	1254700013	2339,065 lbs	87
03	63212/01	00	01/0082345/7	6061	1254700014	2343,474 lbs	87

Chemische Zusammensetzung ([%] Gewichtsanteile) / Chemical composition ([%] weight proportion (OES))

Guss Nr. / cast no.	material										
01/0082345/7	6061	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
	spec. min.	0,40	-	0,15	-	0,80	0,04	-	-	-	-
	spec. max.	0,80	0,70	0,40	0,15	1,20	0,35	0,25	0,15	0,05	0,15
	actual	0,67	0,43	0,24	0,13	0,85	0,17	0,05	0,03	0,02	0,03

Zugprüfung LT / tensile test LT

BNr/Los Lot/No.	Zustand temper	Richtung direction	Tests	UTS [ksi]	YS [ksi]	A2" [%]			
			spec.min.	42,0	35,0	10			
			spec.max.	-	-	-			
63212/01	T6	LT	5	from	49,2	43,2	13		
63212/01	T6	LT		to	49,5	43,4	13		

Sonstige Prüfungen / other tests

Biegeversuch: OK. / Transverse bend test: OK.

Maßkontrolle: OK. / Dimensional Check: OK.

Oberfläche: OK. / Surface inspection: OK.

 286235
 286236



Abnahmeprüfzeugnis 3.1 (EN 10204)
Inspection certificate - mill certificate

Nr.: 89050631
Rev.: 0

01 / 1

Seite / page:

2 von / of 2

Datum / date:

2017 05 18

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Bemerkungen / notes

Die Dimensionstoleranzen entsprechen ANSI XXX /
As standard, dimensional tolerances are to ANSI XXX

Ausgestellt nach Airbus Zulassung Nr. 30272.

Wir bestätigen, dass die gesamte Lieferung unter Einhaltung und soweit oben nicht anders dargelegt aller Forderungen (Spezifikationen, Zeichnungen, Aufträge) hergestellt und geprüft wurde.

Das Qualitätsmanagementsystem erfüllt die Anforderungen der AUK/SA/001-3.

Hergestellt, kontrolliert und geprüft nach Hawker Beechcraft HBIFSAS/PART3/0771

Agusta Westland Genehmigung Lieferantenummer V21275

Issued under Airbus Approval No. 30272.

Certified that the whole of the supplies detailed hereon have been manufactured, inspected, tested and unless otherwise stated above conform in all respects to the Specifications, Drawings and Contract.

Order relevant thereto The Quality Management System arrangements in respect of these supplies comply with the requirements of AUK/SA/001-3.

Manufactured, inspected and tested according Hawker Beechcraft HBIFSAS/PART3/0771

Agusta Westland approval supplier code V21275

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.

We hereby certify that the material described above has been tested and complies with the terms of the order contract.

Werksachverständiger / factory specialist

E-Mail / e-mail

Klampfer Josef

josef.klampfer@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin.

Maschinenl. erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.

AMAG rolling
Werksachverständiger
ROL-Nr. 015

NOTICE OF SHIPMENT/
PACKING LIST



Flat Rolled Products

AL 6168-6 0814

CERTIFICATE OF TEST

CUST. ORD. NO. & DATE

C17166
FORMS DISTRIBUTION
SOLD TO 1 SHIP TO 1

ACCEPTING MILL

CUST CODE 788650
VANDERGRIFT, PA
REPEAT ORDER 00023-0
DO PRV ORITY
DATE RATE 25
PRIME SEC.
DSO 30
DSO 45

SHIPPER NO.

PRODUCT CODE 13020102060000
MILL ORDER NUMBER 30-096-179
DATE SHIPPED 09/13/16
MATERIAL 1124
SHIPPING LOCATION PA
INVOICE 667644

8499506

GRADE AND SPECIFICATIONS

"ATI 304" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (304/304L) (ASME-SA-480 ED 2015)
(ASTM-A-480-16A) (ASTM-A-240-16) (ASME-SA-240 ED 2015)

CARRIER - SUNTECK TRANSPORTATION

ITEM PCS DIMENSIONS W/G/L

HEAT # COIL #

TEST # GROSS TARE NET THEO TAG #/ CD SKID #

001 1 48./024/3468
C CUST IDENTITY T304.024X48
1 SKID

849356 AAB53839-B

TEST # 8840300
GROSS TARE NET 13770 50 13720
13770 50 13720

9-86

ORDER REMARKS: EXW - EXCEPT VAT AND OTHER APPLICABLE LOCAL TAXES WHICH ARE THE RESPONSIBILITY OF THE BUYER
DIST: EMAIL INVOICE TO AP@SAMUEL.COM

TYPE HEAT/TEST (WT %)
HEAT 849356
TEST LOCATION

--C--- --MN-- --P--- --S--- --SI--- --CR--- --NI--- --N---
.025 1.68 .035 .0001 .33 18.32 8.14 .07
BN BN BN BN BN BN BN BN

ITEM TEST NO
001 8840300
TEST LOCATION

YIELD TENSILE % ELONG
PSI * PSI IN 2" % R/A HARDNESS (MEASURED) BEND
T 48100. 97000. 56. # NR 84.HRBW (69.HR30TW) NR
T 49400. 96700. 52. # 84.HRBW (69.HR30TW) TC
TC TC TC TC

CORROSION ASTM GRAIN
SIZE NR

* Y.S. BY 0.2% OFFSET METHOD
ELONG AT FRACTURE

NR = DATA NOT REQUIRED
GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

PAGE 01 - CONTINUED ON PAGE 02

09/13/16 09:23:28

WARNING
Safety Data Sheets for this product are available on our website, www.ATImetals.com. A thorough review of the Safety Data Sheet for the grade of material purchased shall be performed prior to working with this product and all safety & health considerations outlined must be implemented

CONSIGNEE: Please Note: This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is noted, please advise us immediately. A full description made by transportation agent on waybill before signing

Supren Wight
Director, Corporate Quality Assurance

NOTICE OF SHIPMENT/
PACKING LIST



CERTIFICATE OF TEST

AL 6168-6 0814

CUST ORD NO & DATE

C17166
FORMS DISTRIBUTION

SOLD TO 1 SHIP TO 1

CUST CODE

09/12/16 788650

ACCEPTING MILL

VANDERGRIFT, PA

SHIPPER NO

515916

PRODUCT CODE

13020102060000

MILL ORDER NUMBER

30-096-179

DATE SHIPPED

09/13/16

INVOICE

667644

GOVT CONTRACT

7219.33.0000

SHIPPING LOCATION

PA

DATE SHIPPED

09/13/16

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7219.33.0000

SHIPPING LOCATION

PA

DATE SHIPPED

09/13/16

INVOICE

667644

GOVT CONTRACT

7219.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S246A

DATE: DEC 11 2017

PO / BATCH NO.: 038419/5018004/5020864
Qty X2 Qty X1

MATERIAL CERT REC'D: Yes
QUANTITY RECEIVED: 64' x 32' = 96'
QUANTITY INSPECTED: 64' x 32' = 96'
QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.25
THICKNESS RECEIVED: 0.25
SHEET SIZE ORDERED: 4x8
SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y N	<u>8. Astm - A-240</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y N	<u>Heat # 849356</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>M</u> DATE: <u>DEC 11 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED

SPECIFICATION:

MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
OR ASTM A240
OR ASME SA240

FINISH:

FINISH
UNPOLISHED No. 1
UNPOLISHED No. 2D
UNPOLISHED No. 2B
POLISHED No. 3
POLISHED No. 4
BUFFED No. 6P
BUFFED No. 7
BUFFED No. 8

DART M-NUMBER
IDENTIFIER
1P
2D
3P
4P
6P
7P
8P

PART NUMBER:

M304S TT GA #P

WHERE "TT" = GAUGE THICKNESS
WHERE "#P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.08375	0.084 - 0.098
12	0.09375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325

RELEASED
2015 FEB 04
ECS 15-52Z

D	ADDED GAUGES 0.7.	AJS	15.01.06
C	DEFINED FINISH OPTION (ZN CB) AND EXAMPLE OF MATERIAL FIN WITH FINISH OTHER THAN 2B (ZN 85).	MB	12.09.20
B	REFORMAT DWG. ADD ASTM/ASME SPECS (ZN 08-1), ADD GAUGE REF (CB-1), REF PAR 08-020A	CP	09.06.01
A	NEW ISSUE	DS	01.09.24
REV.	DESCRIPTION	BY	DATE
DRAWN	DS	AJS	
CHECKED			
MFG. APPR.	DRAWING NO.		REV. D
APPROVED	M304S		SHEET 1 OF 1
DE APPR.	TITLE		SCALE
DATE	304/316 SS SHEET		NTS
	15.01.06		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

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